

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 8, line 15, with the following rewritten paragraph:

A --FIG. 6 shows that this is no quasi-neutral collector region 20 ~~18~~ underneath the base region 14. The collector region 18 directly underneath base is fully depleted. There is only a space-charge region between the base region 14 and the buried oxide layer 26 of the SOI 30. There is a small quasi-neutral collector region 20 horizontally between the fully depleted collector region 18 (the space-charge region) and the collector reachthrough region 22. There is no need for an n+ type subcollector layer as used in the prior art. The n+ type reachthrough 22, the quasi-neutral collector region 20, and the fully depleted collector region 18 all lie on top of the buried oxide 26 of the SOI 30. --